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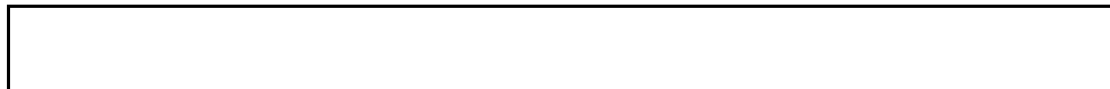
PHOTOGRAPHIC INTELLIGENCE REPORT

SA-2 SITES WITH EARLY WARNING RADARS

CENTRAL AND FAR EASTERN

PERIPHERY OF THE USSR

Declassification Review by NIMA/DoD



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CIA/PIR 61103

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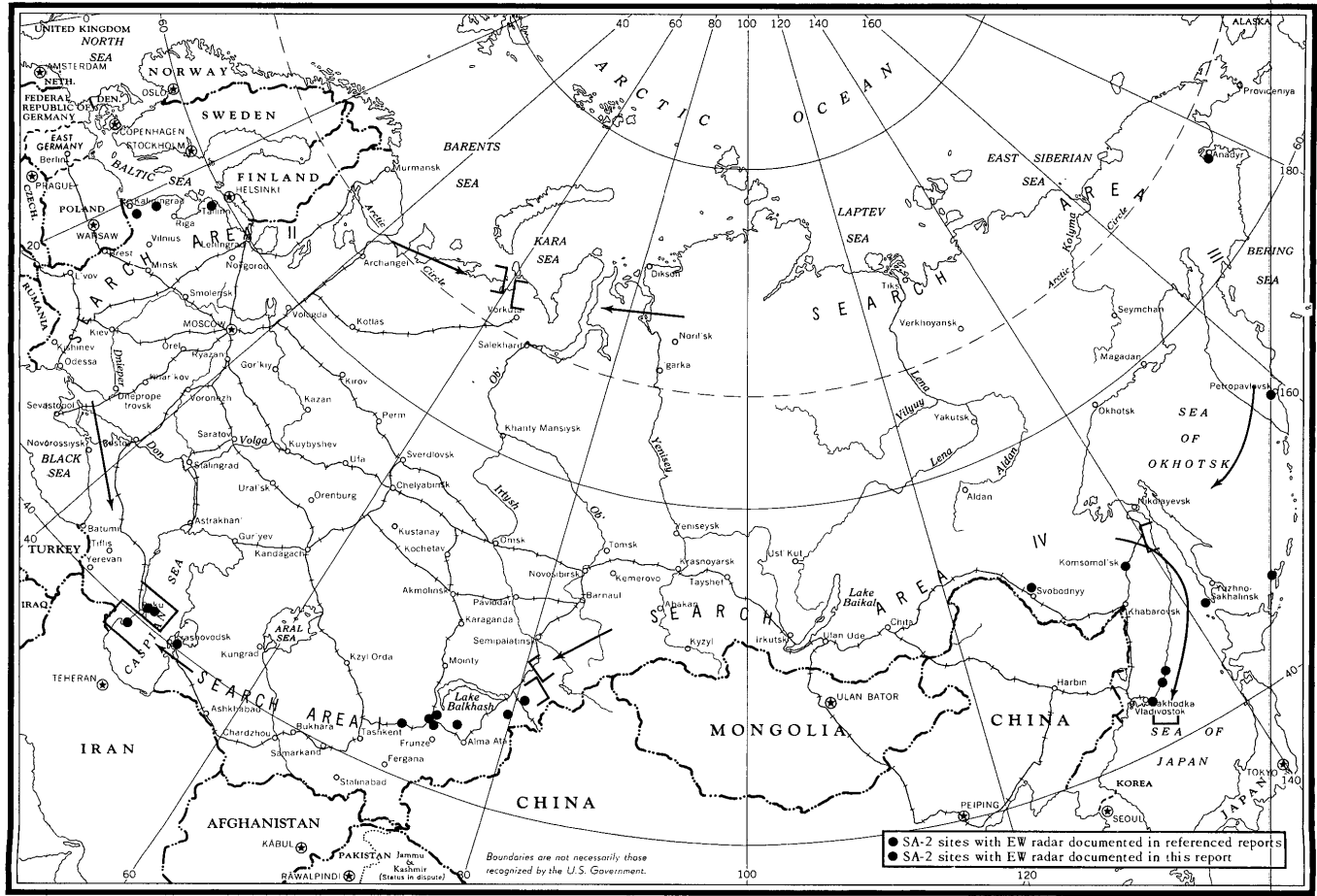
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LOCATION OF SA-2 SITES WITH EARLY WARNING RADAR



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SA-2 SITES WITH EARLY WARNING RADARS

CENTRAL AND FAR EASTERN PERIPHERY OF THE USSR

This is the last in a series of four reports dealing with the presence of early warning radars at SA-2 surface-to-air missile sites along the periphery of the USSR. The search area covered in this report extends from the Sea of Japan to Lake Balkhash (Figure 1). A detailed examination of all SA-2 surface-to-air missile sites along this periphery was conducted to determine the number and location of SAM sites having associated early warning radars in addition to the standard complement of electronics. Figure 1 portrays areas previously searched and sites reported in referenced documents.

A total of ninety-nine SA-2 surface-to-air missile sites, deployed along the Central and Far Eastern periphery of the USSR, from the Sea of Japan to Lake Balkhash, were studied on the latest and best quality [] photographic coverage. This examination revealed that five SA-2 sites in this search area have early warning radar and/or mounded radar positions in addition to the normal or standard complement of electronics. One of the SA-2 sites has two TALL KING radars and four mounded radar positions. The remaining four SA-2 sites have only mounded radar positions.

This examination also revealed one SA-2 surface-to-air missile site which has been transformed into a probable early warning radar site (Figure 2). This site now consists of three mounded radar positions, two of which appear to be occupied by unidentified type radars. One mound has been superimposed over a former revetted launch position, another mound is adjacent to the outer service road and the third mound is located approximately mid-way between the central guidance area and a revetted launch position. This site is approximately 3.4 nautical miles northwest of the Svobodnyy TALL KING Facility.

The following is a listing, in WAC number order, of the five SA-2 surface-to-air missile sites with additional radars and/or associated radar positions; also included in this listing is the previously mentioned modified site.

Malaya Sazanka SAM Site B36-2 (Modified) (Figure 2)

WAC - 203

Coordinates - 51-28-40N 128-03-30E

This site has been modified into a probable EW radar site.

Site consists of three mounded radar positions, two appear occupied.

Radar mounds negated on []

Radar mounds first seen on []

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Komsomolsk SAM Site B 21-2 (Figure 3)

WAC - 204

Coordinates - 50-23-20N 136-54-50E

Co-located Early Warning Radars:

two TALL KING radars

one ROCK CAKE radar

one STONE CAKE radar

one BAR LOCK radar

one SCOREBOARD IFF

One TALL KING radar first seen on [REDACTED]

This TALL KING cannot be negated.

Second TALL KING radar first seen on [REDACTED]

All other radars first seen on [REDACTED]

Sovetskaya Gavan SAM Site B 19-2 (Figure 4)

WAC - 204

Coordinates - 48-49-00N 140-13-45E

Co-located Early Warning Radars:

two occupied mounded radar positions

Radar mounds negated on [REDACTED]

Scarring in area of mounds on [REDACTED]

Two mounds first seen on [REDACTED]

Nakhodka SAM Site B 15-2 (Figure 5)

WAC - 291

Coordinates - 42-42-15N 133-02-45E

Co-located Early Warning Radars:

one occupied mounded radar position

Radar mound negated on [REDACTED]

Radar mound first seen on [REDACTED]

Olga SAM Site A 05-2 (Figure 6)

WAC - 291

Coordinates - 43-47-35N 135-21-00E

Co-located Early Warning Radars:

two mounded radar positions, one mound occupied

Radar mound negated on [REDACTED]

One radar mound first seen on [REDACTED]

Two radar mounds first seen on [REDACTED]

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Olga SAM Site B 04-2 (Figure 7)

WAC - 291

Coordinates - 43-58-50N 135-31-00E

Co-located Early Warning Radars:

one large occupied mound radar position

Scarring in area of mound

Mound first seen on

The following tabulation is an alphabetical listing, within WAC number order, of the ninety-nine SA-2 surface-to-air missile sites which were examined during the preparation of this report.

WAC - 161

Biysk SAM Site B 25-2 - 52-27N 84-53E

WAC - 198

Svobodnyy ICBM Complex SAM Site B 01-2 - 52-07N 128-17E

WAC - 199

Chita SAM Site B 02-2 - 52-12N 113-32E

WAC - 200

Angarsk SAM Site B 26-2 - 52-27N 103-30E

Angarsk SAM Site B 32-2 - 52-41N 103-36E

Angarsk SAM Site B 36-2 - 52-48N 103-51E

Cheremkhovo SAM Site B 18-2 - 52-49N 103-07E

Cheremkhovo SAM Site C 10-2 - 53-07N 103-42E

Irkutsk SAM Site A 05-2 - 52-22N 104-27E

Irkutsk SAM Site A 18-2 - 52-09N 104-18E

Irkutsk SAM Site B 02-2 - 52-33N 104-23E

Irkutsk SAM Site B 13-2 - 52-10N 104-31E

Irkutsk SAM Site B 19-2 - 52-02N 104-14E

Irkutsk SAM Site B 23-2 - 52-04N 103-58E

Irkutsk SAM Site B 35-2 - 52-33N 104-11E

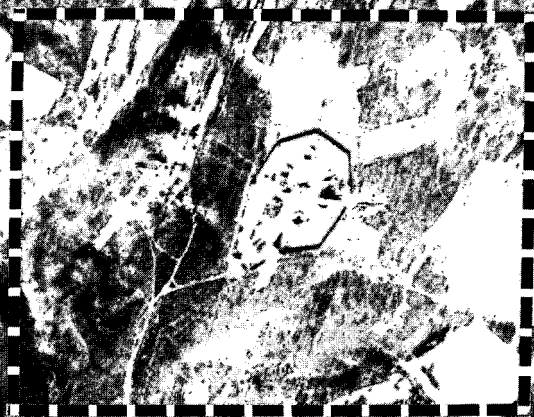
Irkutsk SAM Site C 26-2 - 52-10N 103-41E

Ulan Ude SAM Site C 01-2 - 52-09N 107-39E

WAC - 201

Chite SAM Site B 14-2 - 51-55N 113-41E

MALAYA SAZANKA SAM SITE B 36-2
(51-28-40N 128-03-30E)



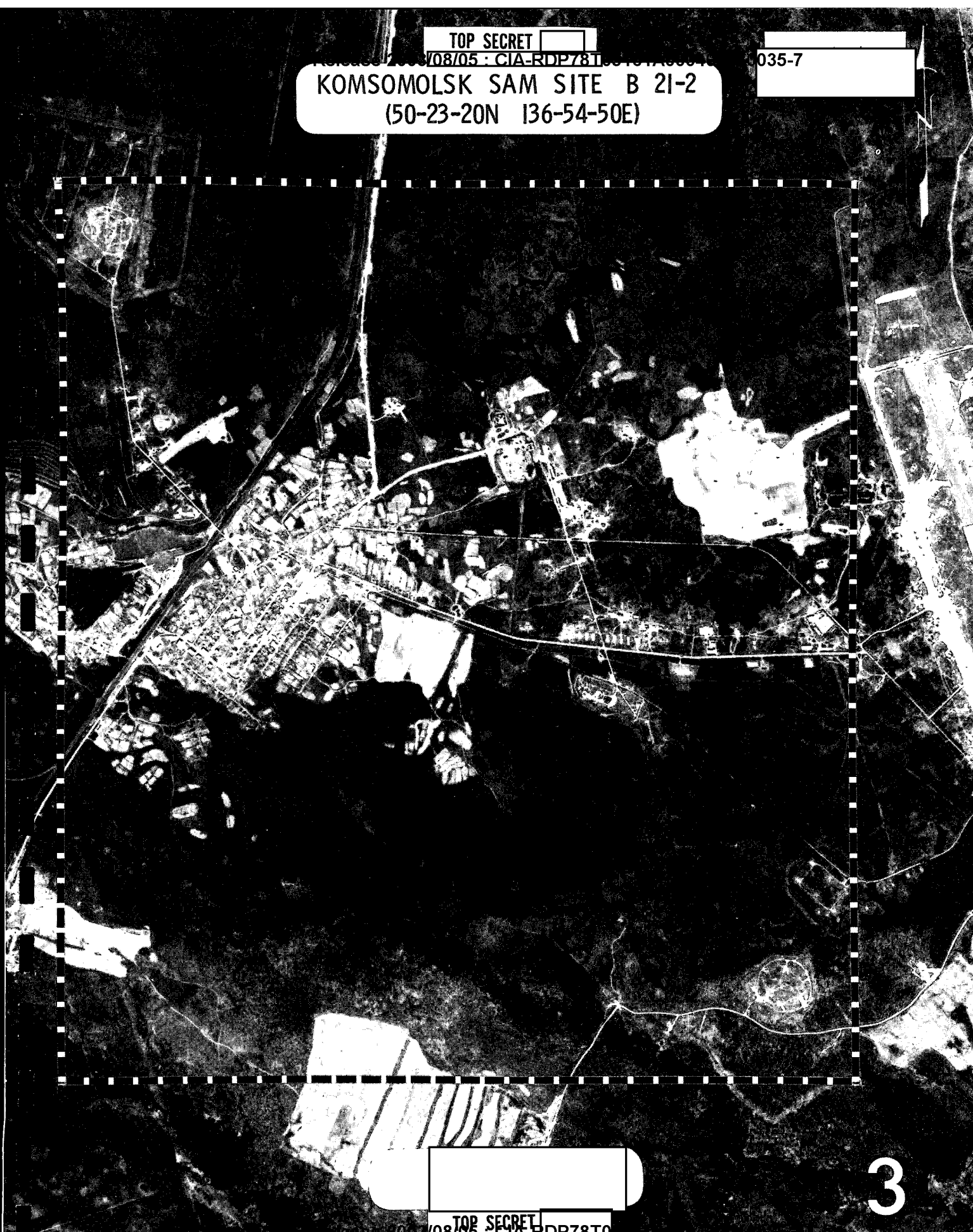
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KOMSOMOLSK SAM SITE B 21-2
(50-23-20N 136-54-50E)



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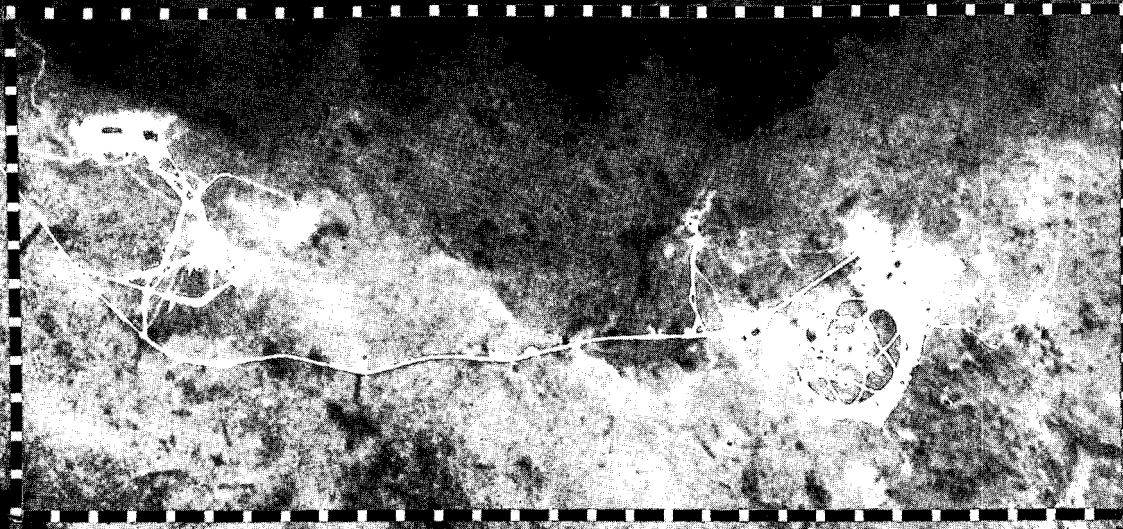
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SOVetskaya Gavan SAM Site B 19-2
(48-49-00N 140-13-45E)



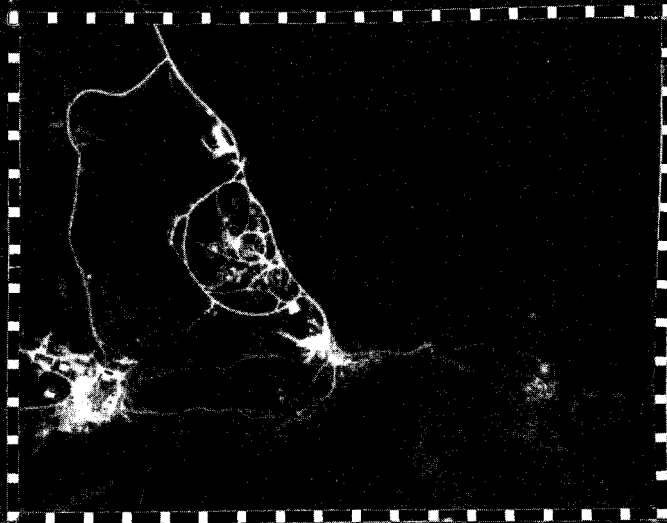
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NAKHODKA SAM SITE B I5-2
(42-42-15N 133-02-45E)

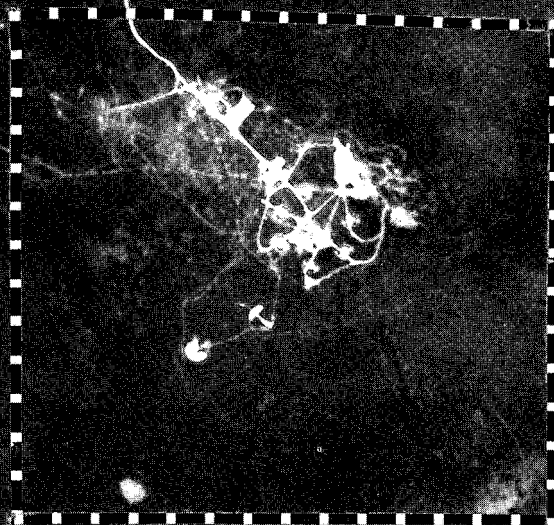


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OLGA SAM SITE A 05-2
(43-47-35N 135-21-00E)



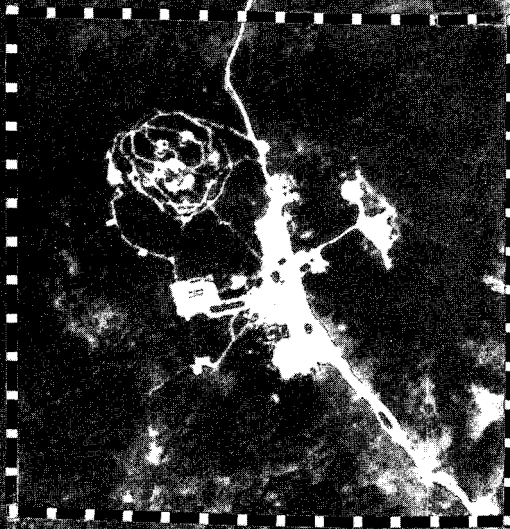
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OLGA SAM SITE B 04-2
(43-58-50N 135-31-00E)



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Drovyannaya ICBM Complex SAM Site B 14-2 - 51-17N 113-22E
Drovyannaya ICBM Complex SAM Site C 26-2 - 51-22N 112-26E
Kyakhta SAM Site A 19-2 - 50-20N 106-26E
Ulan Ude SAM Site A 35-2 - 51-54N 107-33E
Ulan Ude SAM Site B 13-2 - 51-43N 107-53E
Ulan Ude SAM Site B 24-2 - 51-43N 107-23E
Ulan Ude SAM Site C 08-2 - 51-56N 108-11E

WAC - 202

Khadabulak SAM Site A 07-2 - 50-46N 116-18E
Khadabulak SAM Site A 26-2 - 50-42N 115-58E
Khadabulak SAM Site A 27-2 - 50-43N 116-04E
Olovyannaya ICBM Complex SAM Site B 08-2 - 51-03N 116-21E
Olovyannaya ICBM Complex SAM Site B 08A-2 - 51-03N 116-20E
Olovyannaya SAM Site B 17-2 - 50-46N 115-41E
Olovyannaya SAM Site C 03-2 - 51-19N 115-54E

WAC - 203

Birobidzhan SAM Site A 15-2 - 48-44N 132-58E
Birobidzhan SAM Site C 31-2 - 48-59N 132-27E
Malaya Sazanka SAM Site A 03-2 - 51-19N 128-09E
Malaya Sazanka SAM Site B 23-2 - 51-01N 127-48E
Malaya Sazanka SAM Site B 28-2 - 51-13N 127-39E
Malaya Sazanka SAM Site B 36-2 - 51-28N 128-03E
Malaya Sazanka SAM Site C 33-2 - 51-30N 127-45E
Svobodnyy ICBM Complex SAM Site B 09-2 - 51-53N 128-45E
Svobodnyy ICBM Complex SAM Site C 29-2 - 51-58N 127-41E
Ukraine SAM Site B 08-2 - 51-10N 128-52E
Ukraine SAM Site B 15-2 - 50-55N 128-43E
Ukraine SAM Site B 23-2 - 50-58N 128-16E
Ukraine SAM Site C 36-2 - 51-25N 128-29E

WAC - 204

Khabarovsk SAM Site A 36-2 - 48-35N 135-09E
Khabarovsk SAM Site B 08-2 - 48-29N 135-29E
Khabarovsk SAM Site B 18-2 - 48-12N 135-11E
Khabarovsk SAM Site B 19-2 - 48-10N 135-08E
Khabarovsk SAM Site B 24-2 - 48-19N 134-52E
Komsomolsk SAM Site A 33-2 - 50-41N 136-52E
Komsomolsk SAM Site B 04-2 - 50-42N 137-10E
Komsomolsk SAM Site B 13-2 - 50-24N 137-22E
Komsomolsk SAM Site B 21-2 - 50-23N 136-54E

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Komsomolsk SAM Site B 22-2 - 50-25N 136-53E
Sovetskaya Gavan SAM Site A 01-2 - 49-10N 140-19E
Sovetskaya Gavan SAM Site A 13-2 - 48-59N 140-22E
Sovetskaya Gavan SAM Site A 25-2 - 48-56N 140-05E
Sovetskaya Gavan SAM Site B 19-2 - 48-49N 140-13E

WAC - 239

Ayaguz SAM Site A 36-2 - 48-09N 80-26E
Ayaguz SAM Site B 03-2 - 48-10N 80-30E
Ust Kamenogorsk SAM Site C 15-2 - 49-36N 83-03E
Zyryanovsk SAM Site C 28-2 - 49-44N 83-36E

WAC - 282

Barano-Orenburgskoye MRBM Complex SAM Site A 34-2 - 44-26N 131-22E
Barano-Orenburgskoye MRBM Complex SAM Site B 03-2 - 44-27N 131-35E
Barano-Orenburgskoye MRBM Complex SAM Site B 12-2 - 44-13N 131-43E
Barano-Orenburgskoye MRBM Complex SAM Site B 13-2 - 44-10N 131-45E
Barano-Orenburgskoye MRBM Complex SAM Site B 19-2 - 44-02N 131-24E
Chernigovka SAM Site A 20-2 - 44-10N 132-32E
Chernigovka SAM Site B 25-2 - 44-12N 132-11E
Chernyshevka SAM Site A 14-2 - 44-11N 133-09E
Chernyshevka SAM Site A 26-2 - 44-11N 133-05E
Dostoyevka SAM Site A 03-2 - 44-21N 133-30E
Novosysoyevka IRBM Complex SAM Site C 09-2 - 44-10N 133-54E
Velikaya Kema SAM Site A 05-2 - 45-29N 137-14E
Velikaya Kema SAM Site A 23-2 - 45-21N 137-04E

WAC - 291

Kiyevka SAM Site A 22-2 - 42-52N 133-40E
Nakhodka SAM Site A 28-2 - 42-50N 132-46E
Nakhodka SAM Site B 07-2 - 42-55N 133-06E
Nakhodka SAM Site B 15-2 - 42-42N 133-02E
Nakhodka SAM Site B 15A-2 - 42-42N 133-01E
Nakhodka SAM Site B 29-2 - 42-54N 132-30E
Novosysoyevka IRBM Complex SAM Site C 21-2 - 43-50N 133-16E

WAC - 291

Olga SAM Site A 05-2 - 43-47N 135-21E
Olga SAM Site B 04-2 - 43-58N 135-31E
Suchan MRBM Complex SAM Site B 01-2 - 43-17N 133-20E
Ussuriysk SAM Site A 04-2 - 43-53N 132-03E

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Ussuriysk SAM Site B 18-2 - 43-35N 131-58E
Ussuriysk SAM Site C 08-2 - 43-54N 132-26E
Vladivostok SAM Site A 19-2 - 42-58N 131-55E
Vladivostok SAM Site A 23-2 - 43-00N 131-47E
Vladivostok SAM Site A 24-2 - 43-02N 131-49E
Vladivostok SAM Site B 08-2 - 43-10N 132-20E
Vladivostok SAM Site B 27-2 - 43-03N 131-35E
Vladivostok SAM Site B 30-2 - 43-12N 131-32E
Vladivostok SAM Site C 11-2 - 43-00N 132-26E
Vladivostok SAM Site C 13-2 - 42-52N 132-20E
Vladivostok SAM Site C 14-2 - 42-45N 132-21E
Vladivostok SAM Site D 25-2 - 42-49N 131-17E

REFERENCES

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MAPS AND CHARTS

- ACIC. US Air Target Chart, Series 200, Sheet 203-3HL, Scale 1:200,000, 3rd edition, October 1962 (SECRET)
- ACIC. US Air Target Chart, Series 200, Sheet 204-13HL, Scale 1:200,000, 2nd edition, February 1962 (SECRET)
- ONC. Sheet E-9, Scale 1:1,000,000, 1st edition, December 1959 (CONFIDENTIAL)
- ONC. Sheet F-10, Scale 1:1,000,000, 2nd edition, June 1962 (UNCLASSIFIED)

DOCUMENTS

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- CIA. PIR-61061, [REDACTED] SA-2 Sites With Early Warning Radars, South-Central Periphery of USSR, November 1965 (TOP SECRET [REDACTED])
- CIA. PIR-61080. [REDACTED] SA-2 Sites With Early Warning Radars, European and Mid-East Periphery of USSR, December 1965 (TOP SECRET [REDACTED])
- CIA. PIR-61101, [REDACTED] SA-2 Sites With Early Warning Radars, Northern and Far Eastern Periphery of USSR, March 1966 (TOP SECRET [REDACTED])

REQUIREMENT

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CIA/IAD PROJECT

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